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QUIZZES

Practice Test-1(Organic Chemistry)



10 Questions



7 min

Topics

Classification of organic compounds, Isomerism,
Functional Group

Start Quiz

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

06 : 57



1/10



7 min



Hint

Q : Which may not present as heteroatom in heterocyclic compounds generally

A

Sulphur

B

Nitrogen

C

Oxygen

D

Bromine

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SAEED MDCAT TEAM



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06 : 52



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2/10



7 min



Hint

Q : Naphthalene and Anthracene are the example of

A

Alicyclic hydrocarbons

B

Acyclic Hydrocarbons

C

Aromatic hydrocarbons

D

Heterocyclic hydrocarbons

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06 : 50



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3/10



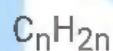
7 min



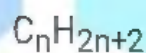
Hint

Q : General formula of saturated alicyclic compound is

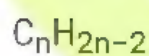
A



B



C



D



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06 : 47



4/10



7 min



Hint

Q : Which of the following can show geometric isomerism

A

Alkanes

B

alkenes

C

alkynes

D

Both a & c

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06 : 44



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5/10



7 min



Hint

Q : Halo Alkanes or alkyl halides show _____ isomerism in addition to chain isomerism

A

Position

B

Functional group

C

Metamerism

D

cis-trans

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06 : 42



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6/10



7 min



Hint

Q : The isomerism exhibited by Butanal and Butanone

A

Chain isomerism

B

Geometric isomerism

C

Functional group isomerism

D

Metamerism

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

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06 : 40



7/10



7 min



Hint

Q : Which of the following statement is incorrect?

A

2-butene is positional isomer of 1-butene

B

Carbonyl functional group is present in both aldehydes and ketones

C

All the aromatic compounds are closed chain compounds

D

o-nitrotoluene and p-nitrotoluene are functional group isomers

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06 : 37



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8/10



7 min



Hint

Q : Glucose and fructose are_____ of each other

A

Chain isomers

B

Positional isomers

C

Functional group isomers

D

Metamers

SAEED MDCAT

SAEED MDCAT TEAM



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10

06 : 34



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9/10



7 min



Hint

Q : Which one of the following class of compounds has been incorrectly matched with their general formula

A

PhenolPh -OH

B

AlcoholsCHO

C

KetoneRCOR'

D

Carboxylic acidsRCOOH

SAEED MDCAT

SAEED MDCAT TEAM



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9

10

Q : Imino group is present in

- ☐ CH_3NH_2
- ☐ HCONH_2
- ☐ $\text{CH}_2 = \text{NH}$
- ☐ $(\text{NH}_2)_2\text{CO}$

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SAEED MDCAT TEAM

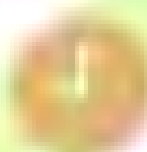
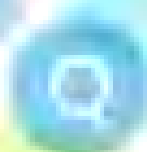
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QUIZ RESULT

Practice Test-1(Organic Chemistry)



Time



Score



C/10

0%

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT





correct



1/10

Q : Which may not present as heteroatom in heterocyclic compounds generally



Sulphur



Nitrogen



Oxygen



Bromine

Explanation

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Explanation: In heterocyclic compounds, the heteroatom might be O, N or S

SAEEDMDCAT



Correct



Unattempted



Incorrect



2/10

Q : Naphtha ene and Anthracene are the example of



Alicyclic hydrocarbons



Acyclic Hydrocarbons



Aromatic hydrocarbons



Heterocyc ic hydrocarbons

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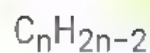
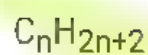


correct



3/10

Q : General formula of saturated alicyclic compound is



Explanation

Both alkenes and saturated alicyclic compound have same general formula



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Correct



Unattempted



Incorrect



4/10

Q : Which of the following can show geometric isomerism



Alkanes



alkenes



alkynes



Both a & c

Explanation

SAEED MDCAT TEAM

For geometric isomerism one carbon must have double bond and two different atoms attaches on the same carbon.



Correct



Unanswered



Incorrect



5/10

Q : Halo Alkanes or alkyl halides show ____ isomerism in addition to chain isomerism



Position



Functional group



Metamerism



cis-trans

Explanation

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By changing the position of functional group.
Functional group does not change.



SAEEDMDCAT



correct



6/10

Q : The isomerism exhibited by Butanal and Butanone



Chain isomerism



Geometric isomerism



Functional group isomerism



Metamerism

Explanation

Both have same molecular formula but different functional group



SAEEDMDCAT



Correct



Unattempted



Incorrect



7/10

Q : Which of the following statement is incorrect?



2 butene is positional isomer of 1 butene



Carbonyl functional group is present in both aldehydes and ketones



All the aromatic compounds are closed chain compounds



o-nitrotoluene and p-nitrotoluene are functional group isomers

Explanation

o-nitrotoluene and p-nitrotoluene are positional isomers

SAEEDMDCAT



Correct



Unattempted



Incorrect



8/10

Q : Glucose and fructose are_____ of each other



Chain isomers



Positional isomers



Functional group isomers



Metamers

Explanation

Glucose have aldehydic functional group whereas fructose have ketonic group. Both have same molecular formula



correct



9/10

Q : Which one of the following class of compounds has been incorrectly matched with their general formula



Phenol $\text{Ph}-\text{OH}$



Alcohols CHO



Ketone RCOR'



Carboxylic acids RCOOH

Explanation

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– CHO is aldehydic functional group



SAEEDMDGCAT



correct



10/10

Q : Imino group is present in



CH_3NH_2



HCONH_2



$\text{CH}_2 = \text{NH}$



$(\text{NH}_2)_2\text{CO}$

Explanation

Imino functional group is $\text{C} = \text{NH}$



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QUIZZES

Practice Test-2 (Organic Chemistry)

10 Questions

1 Hour

10 Marks

SAEED MDCAT

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

Q : IUPAC name of $\text{CH} \equiv \text{C} - \text{CH}(\text{CH}_3) - \text{C} \equiv \text{CH}$

- ☐ 3-Methylpent-1,5-diyne
- ☐ 3 Methylbut 1,4 diyne
- ☐ 3-Methylpent-1,4-diyne
- ☐ 2-Methylpent-1,4-diyne

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : IUPAC name of Tartaric acid is

- ☐ 3-Hydroxypentanoic acid
- ☐ 2,3-dihydroxy-But-1,4-dioic acid
- ☐ 2,3-Dihydroxypropanoic acid
- ☐ 2-hydroxypropanoic acid

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : What is the IUPAC name for the following structure?



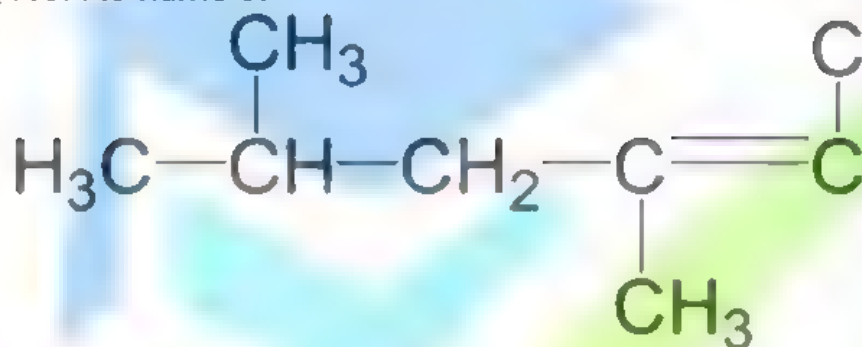
- ☐ 4-Methyl-3-pentanol
- ☒ 2-methyl-2-pentanol
- ☐ 2-Methyl-3-Pentanol
- ☐ 3-methyl-3-pentanol

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : IUPAC name of



2,3,5 – Trimethyl – 2-hexene



2,3,5 – Trimethyl – 2-hexane



2,4,5 – Trimethyl – 2-hexene

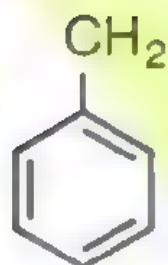
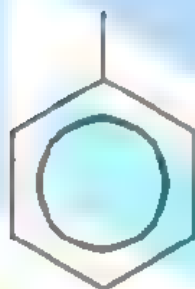


2,4,5 – Trimethyl – 2-pentene

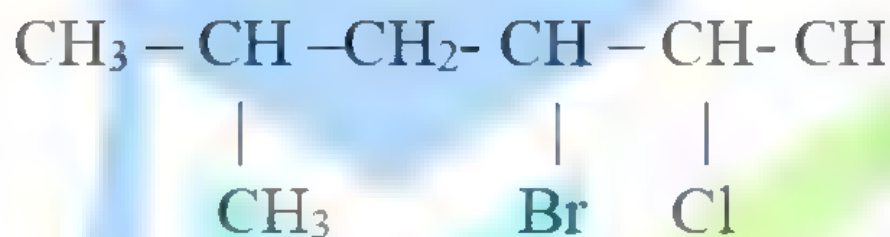
SAEED MDCAT TEAM

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Q : Benzyl group is.



Q:



IUPAC name is .

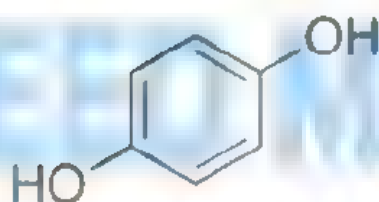
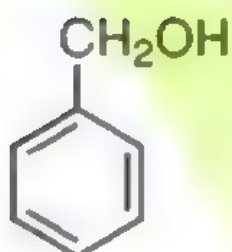
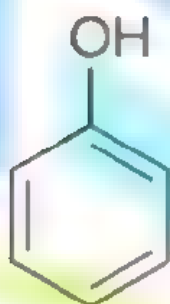
- ☐ 2-chloro-3-bromo-5-methyl hexane
- ☐ 3-bromo-2-chloro-5 methylhexanol
- ☐ 4-bromo-5-chloro-2-methylhexane.
- ☒ 3-bromo-2-chloro-5-methylhexane

SAEED MDCAT TEAM

SAEEDMDCAT



Q : Which of the following is alcohol



All are alcohols

Q : $\text{CH}_3\text{-CH=CH-CHO}$. The common name is

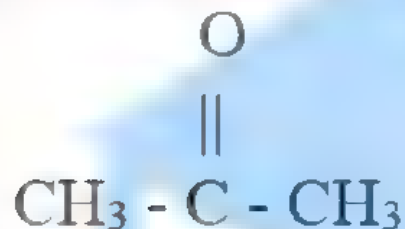
- ☐ Lactic acid
- ☒ Crotonaldehyde
- ☐ 2-Butenal
- ☐ 3-Butenal

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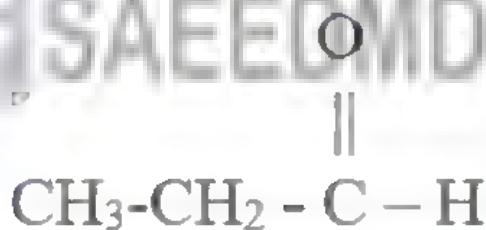
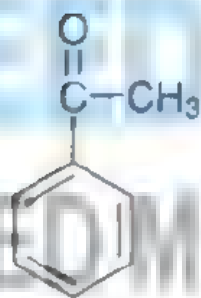
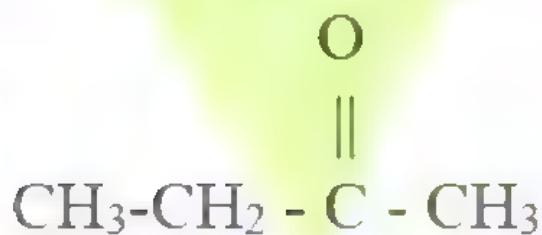
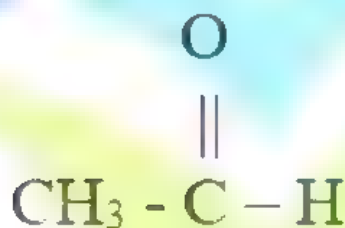
SAEED MDCAT TEAM

SAEEDMDCAT

Q : The structure of actone is



Which one of the following is the structure of acteldehyde



Q : Maleic acid is

- ☐ Saturated dicarboxylic acid
- ☒ Unsaturated dicarboxylic acid
- ☐ Unsaturated monocarboxylic acid
- ☐ Saturated monocarboxylic acid

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SAEED MDCAT TEAM

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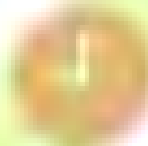


QUIZ RESULT

Practice Test-2(Organic Chemistry)



0/10



0%

SAEEDMDCAT TEAM



SAEEDMDCAT





correct



1/10

Q : IUPAC name of $\text{CH} \equiv \text{C} - \text{CH}(\text{CH}_3) - \text{C} \equiv \text{CH}$



3-Methylpent-1,5-diyne



3-Methylbut-1,4-diyne



3-Methylpent-1,4-diyne



2-Methylpent-1,4-diyne

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



Correct



Question No. 2/10



Incorrect



2/10

Q : IUPAC name of Tartaric acid is



3 Hydroxypentanoic acid



2,3-dihydroxy-But-1,4-dioic acid



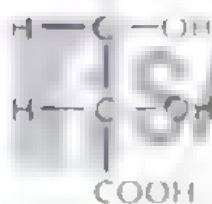
2,3-Dihydroxypropanoic acid



2-hydroxypropanoic acid

Explanation

SAEED MDCAT TEAM



SAEEDMDCAT



correct



3/10

Q : What is the IUPAC name for the following structure?



4-Methyl-3-pentanol



2-methyl-2-pentanol



2-Methyl-3-Pentanol



3-methyl-3-pentanol

SAEED MDCAT

SAEED MDCAT TEAM



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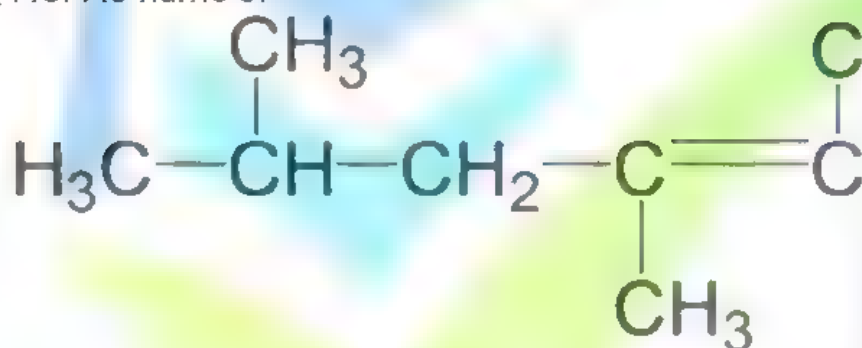


correct



4/10

Q : IUPAC name of



2,3,5 – Trimethyl – 2-hexene



2,3,5 – Trimethyl – 2 hexane



2,4,5 – Trimethyl – 2-hexene



2,4,5 – Trimethyl – 2-pentene



SAEEDMDCAT



Correct



Question 5

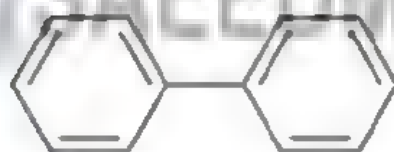
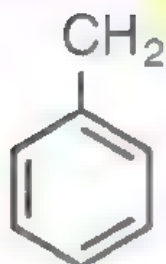


Incorrect



5/10

Q : Benzyl group is:





Correct



Unattempted

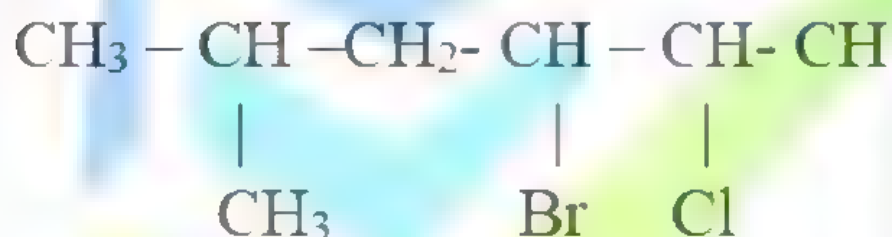


Incorrect



6/10

Q:



IUPAC name is :



2-chloro-3-bromo-5-methyl hexane



3-bromo-2-chloro-5 methylhexanol



4-bromo-5-chloro-2-methylhexane.



3-bromo-2-chloro-5-methylhexane



Practice Test-2 (Organic Chemistry)



Correct



Unattempted



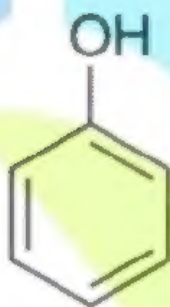
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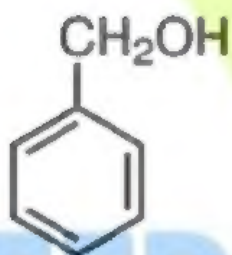
7/10

Q : Which of the following is alcohol

A



B



C



D

All are alcohols

1

2

3

4

5

6

7



Practice Test-2 (Organic Chemistry)



Correct



Unattempted



Incorrect



8/10

Q : $\text{CH}_3\text{-CH=CH-CHO}$. The common name is

A

Lactic acid

B

Crotonaldehyde

C

2-Butenal

D

3-Butenal

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

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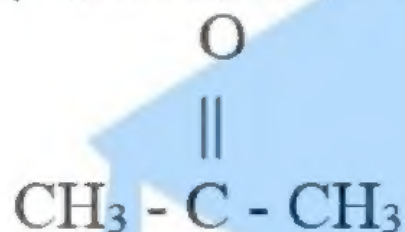
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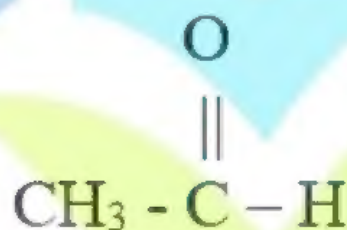


Q : The structure of acetone is

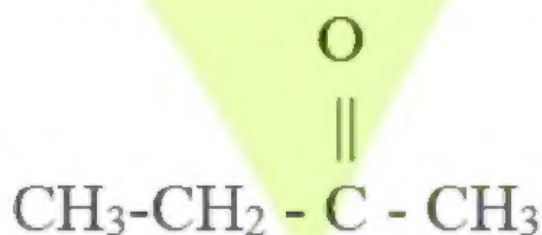


Which one of the following is the structure of acetaldehyde

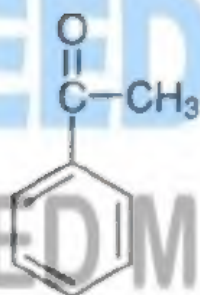
A



B



C



D





Practice Test-2 (Organic Chemistry)



Correct



Unattempted



Incorrect



10/10

Q : Maleic acid is

A

Saturated dicarboxylic acid

B

Unsaturated dicarboxylic acid

C

Unsaturated monocarboxylic acid

D

Saturated monocarboxylic acid

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

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